

CUSTOM S/O 1724



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

647.1301
Job Sheet 169150



Part No: 647.1301

Job Qty: 1 ea

Part Name: EC145 Cable Cutter System



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 12/4/17

Job Tracking No:

Due Date: 12/6/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Heliswiss Iberica SA (CHELI02)

Hangar 4, Lado Norte, Aeropuerto De Sabadell, Barcelona Sabadell, , 08205 Spain ph:011 34 93 720 6090
fx:34-937-100130.

Note: CUSTOMER SHIPPING 647.1401 ON SEPARATE LINE 09/20/2017 LMC Equivalent To The Magellan Kit -
Sales To Notify Customers - Kit Contains Parts With Limited Shelf Life, Will Ship With A Minimum Life Of 3
Months.

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/6/17	0.00	0.00	Start Up Stores/Pkg-1		AT
110	Packaging	1 pcs		12/6/17	0.00	0.00	Packaging1-1		AT
120	QC	1 pcs		12/6/17	0.00	0.00	QC4		SmB
125	DC	1 pcs		12/6/17	0.00	0.00	DC		
130	Packaging	1 pcs		12/6/17	0.00	0.00	Packaging3-1		SmB
140	QC21-SA	1 Ea		12/6/17	0.00	0.00	QC21		DAS 21

Part Op 125 - Photocopy bluefile & type labels per PPP 647.1301

Descriptions: 130 - Identify and pack for shipping as per PPP 647.1301 Location:FG109 EXPIRY DATE OF: RTV Loctite 598:

MAGNOBOND 6398 PART 1: MAGNOBOND 6398 PART 2:

SEALANT PR-1425: ***INDICATE ON BOX EXPIRY DATE OF RTV, MAGNOBOND PART1,
MAGNOBOND PART2 AND SEALANT PR-1425 ***

140 - *** Enter exp. date in lot maintenance for RTV loctite 598, MAGNOBOND PART1, MAGNOBOND PART2 AND
SEALANT PR-1425***

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	600.0990 SO18570	1	21	0	0
	600.0991 SO18572	1	23	0	0
	600.1012 SO18577	1	21	0	0
	601.2045 SO18579	1	26	0	0
	601.2375 SO16235	3	118	0	0
	601.2999 SO16236	3	19	0	0
	601.3004 SO16237	2	0	0	0
	601.3005 SO16238	2	12	0	0
	601.3006 SO16239	2	0	0	0
	601.3011 SO18655	3	42	0	0
	647.0112 SO16241	8	181	0	0
	647.1402 SO16242	1	2	0	0
	647.1601 SO16243	1	6	0	0
	647.1602 SO16243	1	13	0	0
	647.1610 SO16244	1	3	0	0
	647.1701 SO16245	2	0	0	0

10/2018

Plex 12/4/17 9:29 AM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

647.1810	SO16246	1 ✓	13	0	0
647.1811	SO16247	2 ✓	32	0	0
647.1812	SO16248	13 ✓	196	0	0
647.1813	SO16249	2 ✓	40	0	0
647.1814	SO16250	1 ✓	10	0	0
647.1815	SO16251	1 ✓	24	0	0
647.1816	SO16252	1 ✓	14	0	0
647.1817	SO16253	1 ✓	13	0	0
647.1818	SO16254	1 ✓	23	0	0
647.1910	SO16255	4 ✓	43	0	0
647.1911	SO16256	1 ✓	8	0	0
647.1912	SO16257	1 ✓	7	0	0
647.1913	SO16258	1 ✓	11	0	0
647.1914	SO16259	1 ✓	5	0	0
647.1915	SO16260	1 ✓	20	0	0
647.2010	SO16261	2 ✓	46	0	0
647.2011	SO16262	2 ✓	8	0	0
647.2110	SO16263	1 ✓	11	0	0
647.2111	SO16264	1 ✓	5	0	0
647.2201	SO16265	1 ✓	10	0	0
647.2510	SO16266	4 ✓	78	0	0
647.2511	SO16267	4 ✓	-2	0	0
647.3201	SO16268	1 ✓	0	0	0
AN3-11A	SO16269	16 ✓	403	0	0
AN3-4A	SO16270	2 ✓	256	0	0
AN3C10A	SO16271	2 ✓	6	0	0
AN4CH6A	SO16272	1 ✓	29	0	0
AN525-10R12	SO16273	4 ✓	116	0	0
CCR264SS-3-03	SO16274	12 ✓	43	0	0
CCR264SS3-04	SO16275	12 ✓	186	0	0
CCR274SS-3-03	SO16276	4 ✓	57	0	0
CR3213-4-2	SO16277	2 ✓	251	0	0
CR3213-4-3	SO16278	22 ✓	570	0	0
CR3213-4-4	SO16279	22 ✓	215	0	0
CR3213-4-5	SO16280	8 ✓	172	0	0
CR3213-4-6	SO16281	11 ✓	337	0	0
CR3213-4-7	SO16282	16 ✓	200	0	0
CR3213-4-8	SO16283	12 ✓	54	0	0
CR3213-6-6	SO16284	8 ✓	263	0	0
MS21042-08	SO16285	9 ✓	0	0	0
MS21042-3	SO16286	45 ✓	39	0	0
MS21042L4	SO16287	4 ✓	5,011	0	0
MS21047-3	SO16288	12 ✓	194	0	0
MS21266-2N	SO16289	1 ✓	35	0	0
MS24694-C52	SO16290	10 ✓	170	0	0
MS27039-08-07	SO16291	1 ✓	49	0	0
MS27039-08-10	SO16292	4 ✓	287	0	0
MS27039-1-07	SO16293	3 ✓	81	0	0
MS27039-1-10	SO16294	6 ✓	483	0	0
MS27039-1-14	SO16295	4 ✓	558	0	0
MS27039-1-15	SO16296	4 ✓	522	0	0
MS27039-1-17	SO16297	2 ✓	108	0	0
MS27039-1-20	SO16298	4 ✓	123	0	0
MS27039C1-06	SO16299	18 ✓	119	0	0
NAS1149F0332P	SO16300	102 ✓	2,320	0	0
NAS1149F0432P	SO16301	8 ✓	695	0	0
NAS1149FN832P	SO16302	18 ✓	3,730	0	0
NAS1834C3-300	SO16303	2 ✓	158	0	0
NAS6604-66	SO16304	4 ✓	38	0	0

Part Specifications

Specifications could not be found.

Shipping without 647.1401
will we ship later

Plex 12/4/17 9:29 AM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																							
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																								
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																								
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																								
Large Fab ☐	Composite ☐	Supplier ☐																																									
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																																							
Description Work Order Deviation S01803 EC145 Cabl Cutter System Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com PART NO: Revision: Operation: Change No: 647.1301 Start up Operation Mfg Date: 12/07/17 Job No: 169150																																											
Root Cause <table style="width:100%; border: none;"> <tr><td style="border: none;">Environment ☐</td><td style="border: none;">No Re-verification ☐</td></tr> <tr><td style="border: none;">Design ☐</td><td style="border: none;">Operator ☐</td></tr> <tr><td style="border: none;">Doc/Data ☐</td><td style="border: none;">Offset/Setup ☐</td></tr> <tr><td style="border: none;">Equip/Tooling ☐</td><td style="border: none;">Supplier ☐</td></tr> <tr><td style="border: none;">Handling/Pre ☐</td><td style="border: none;">Training ☐</td></tr> <tr><td style="border: none;">Material ☐</td><td style="border: none;">Use for Testing ☐</td></tr> <tr><td style="border: none;">Internal Transport ☐</td><td style="border: none;">Poor Information ☐</td></tr> <tr><td style="border: none;">Tribal Knowledge ☐</td><td style="border: none;">Rushing ☐</td></tr> <tr><td style="border: none;">LOA ☐</td><td style="border: none;">Product Improvement ☐</td></tr> <tr><td style="border: none;">Substation ☐</td><td style="border: none;">Process Improvement ☐</td></tr> <tr><td style="border: none;">Past Expiry Date ☐</td><td style="border: none;">Manufacturing Process ☐</td></tr> <tr><td style="border: none;">Misidentified ☐</td><td style="border: none;">Past Due ☐</td></tr> </table>				Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	<table style="width:100%; border: none;"> <tr><td style="border: none;">☐ Crossing</td><td style="border: none;">☐ Countersink</td><td style="border: none;">☐ Out of Sequence</td></tr> <tr><td style="border: none;">☐ Heat Treat</td><td style="border: none;">☐ Cut Too Short</td><td style="border: none;">☐ Off-set</td></tr> <tr><td style="border: none;">☐ Wave/Twist in Tube</td><td style="border: none;">☐ Instructions Incomplete/Unclear</td><td style="border: none;">☐ Mislabeled</td></tr> <tr><td style="border: none;">☐ Marks/Chatter</td><td style="border: none;">☐ Drill Holes</td><td style="border: none;">☐ Fit/Function</td></tr> <tr><td></td><td></td><td style="border: none;">☐ Misaligned/off center</td></tr> </table>	☐ Crossing	☐ Countersink	☐ Out of Sequence	☐ Heat Treat	☐ Cut Too Short	☐ Off-set	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Mislabeled	☐ Marks/Chatter	☐ Drill Holes	☐ Fit/Function			☐ Misaligned/off center
Environment ☐	No Re-verification ☐																																										
Design ☐	Operator ☐																																										
Doc/Data ☐	Offset/Setup ☐																																										
Equip/Tooling ☐	Supplier ☐																																										
Handling/Pre ☐	Training ☐																																										
Material ☐	Use for Testing ☐																																										
Internal Transport ☐	Poor Information ☐																																										
Tribal Knowledge ☐	Rushing ☐																																										
LOA ☐	Product Improvement ☐																																										
Substation ☐	Process Improvement ☐																																										
Past Expiry Date ☐	Manufacturing Process ☐																																										
Misidentified ☐	Past Due ☐																																										
☐ Crossing	☐ Countersink	☐ Out of Sequence																																									
☐ Heat Treat	☐ Cut Too Short	☐ Off-set																																									
☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Mislabeled																																									
☐ Marks/Chatter	☐ Drill Holes	☐ Fit/Function																																									
		☐ Misaligned/off center																																									
OTHER : _____				<table style="width:100%; border: none;"> <tr><td style="border: none;">☐ ge</td><td style="border: none;">☐ Positioned Wrong</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Outside Dimensions</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Over/Under tolerance</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Part Incorrect</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Part Lost/Missing</td></tr> <tr><td style="border: none;">☐ lled</td><td style="border: none;">☐ Part Moved</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Drawing</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Finish</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Misread</td></tr> <tr><td style="border: none;">☐</td><td style="border: none;">☐ Turning Sequence</td></tr> </table>	☐ ge	☐ Positioned Wrong	☐	☐ Outside Dimensions	☐	☐ Over/Under tolerance	☐	☐ Part Incorrect	☐	☐ Part Lost/Missing	☐ lled	☐ Part Moved	☐	☐ Drawing	☐	☐ Finish	☐	☐ Misread	☐	☐ Turning Sequence																			
☐ ge	☐ Positioned Wrong																																										
☐	☐ Outside Dimensions																																										
☐	☐ Over/Under tolerance																																										
☐	☐ Part Incorrect																																										
☐	☐ Part Lost/Missing																																										
☐ lled	☐ Part Moved																																										
☐	☐ Drawing																																										
☐	☐ Finish																																										
☐	☐ Misread																																										
☐	☐ Turning Sequence																																										

REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	2	2							89	647.1703	T2 SKID DEFLECTOR ASSY		
	8	8							88	601.3812	LOCK TAB	LN9023A8-1.4544.9	
				2	2				87	647.1702	SKID DEFLECTOR ASSY	△	
	1	1		1	1				86	647.2113	LOWER RAIL (U CHANNEL KIT)		
	8	8		8	8				85	601.3655	WASHER	LN9025-0820K	
	8	8		8	8				84	601.3654	SCREW	LN9037-08018	
1		1	1		1				83	647.2112	UPPER U CHANNEL		
	8	8		8	8				82	601.3653	WASHER	93475A270	
	4	4		4	4				81	601.3652	LOCKNUT	93625A300	
	4	4		4	4				80	601.3651	SCREW	91292A080	
	1	1		1	1				79	647.1403	CUTTER ASSY (UPPER U CHANNEL)		
	5	5		5	5				78	601.3650	BOLT	AN3-15A	
REF	REF	REF	REF	REF	REF	REF	REF	REF	77	647.5701	GPS MOUNT KIT	△	
2		2	2		2	2		2	76	601.1954	SCREW	MS27039-1-17	
	2	2		2	2		2	2	75	647.2010	UPPER STRUT		
1	1	1	1	1	1	1	1	1	74	601.2045	RTV	LOCTITE 598	
1	1	1	1	1	1	1	1	1	73	600.1012	SEALANT	PR-1425 CLASS B	
1	1	1	1	1	1	1	1	1	72	600.0991	MAGNOBOND 6398 PART B		
1	1	1	1	1	1	1	1	1	71	600.0990	MAGNOBOND 6398 PART A		
4		4	4		4	4		4	70	601.3012	SCREW	MS27039-1-15	
2		2	2		2	2		2	69	601.3004	CAMLOC STUD		
2		2	2		2	2		2	68	601.3005	CAMLOC RETAINER		
2		2	2		2	2		2	67	601.3006	CAMLOC RECEPTACLE		
3 FT.		3 FT.	3 FT.		3 FT.	3 FT.		3 FT.	66	601.3011	P-SEAL		
1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	65	601.3007	GROMMET	MS21266-2N	
2		2	2		2	2		2	64	601.3008	INSERT	NAS1834C3-300	
12		12	12		12	12		12	63	601.2364	RIVET	CR3213-4-8	
16		16	16		16	16		16	62	601.2468	RIVET	CR3213-4-7	
11		11	11		11	11		11	61	601.2991	RIVET	CR3213-4-6	
2		2	2		2	2		2	60	601.1039	RIVET	CR3213-4-2	
8		8	8		8	8		8	59	601.1183	RIVET	CR3213-4-5	
22		22	22		22	22		22	58	601.0790	RIVET	CR3213-4-3	
8		8	8		8	8		8	57	601.2995	RIVET	CR3213-6-6	
4		4	4		4	4		4	56	601.1915	RIVET	CR3213-4-4	
12		12	12		12	12		12	55	601.2207	NUTPLATE RIVET	CCR2645S-3-03	
4		4	4		4	4		4	54	601.1983	NUTPLATE RIVET	CCR2745S-3-03	
12		12	12		12	12		12	53	601.2980	NUTPLATE RIVET	CCR2645S-3-04	
12		12	12		12	12		12	52	600.0795	NUTPLATE	MS21047-3	
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

UNDER REVIEW
URF17-782 MB

ORIGINAL DATE 200-DA-YR1 07/04/09		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY H. ROSANO	CHECKED D. BARKER	DART AEROSPACE APICAL INDUSTRIES, INC. 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWING APPROVAL P. BRAVO	REVISED		
CONTRACT NO.		EC145 CABLE CUTTERS KIT UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.2°	
SHEET B	CAGE CODE 07M26	DWG. NO. 647.1300	REV. D
SCALE NONE		SHEET 3 OF 10	

REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	4	4		4	4		4	4	51	601.3209	LOCKNUT	MS21042L4	
1	4	5	1	4	5	1	8	9	50	601.2973	LOCKNUT	MS21042-08	
27	19	46	27	19	46	27	18	45	49	601.2943	LOCKNUT	MS21042-3	
	3	3		3	3		3	3	48	601.2375	WASHER		
2	8	10	2	8	10	2	16	18	47	601.2764	WASHER	NAS1149FN832P	
62	42	104	62	42	104	62	40	102	46	601.1607	WASHER	NAS1149F0332P	
1		1	1		1	1		1	45	601.2525	SCREW	MS27039-0807	
4		4	4		4	4		4	44	601.1952	SCREW	MS27039-1-20	
							4	4	43	601.3010	SCREW	MS27039-0810	
	4	4		4	4		4	4	42	601.3224	SCREW	AN525-10R12	
6		6	6		6	6		6	41	601.1365	SCREW	MS27039-1-10	
3		3	3		3	3		3	40	601.2198	SCREW	MS27039-1-07	
	3	3		3	3		3	3	39	601.2999	SCREW		
18		18	18		18	18		18	38	601.2459	SCREW	MS27039C1-06	
	4	4		4	4		4	4	37	601.1622	SCREW	MS27039-1-14	
10		10	10		10	10		10	36	601.2051	SCREW	MS24694C52	
2		2	2		2	2		2	35	601.2823	BOLT	AN3-4A	
1		1	1		1	1		1	34	601.1324	BOLT	AN4CH6A	
	2	2		2	2		2	2	33	601.1874	BOLT	AN3C10A	
	12	12		12	12		16	16	32	601.2826	BOLT	AN3-11A	
	8	8		8	8		8	8	31	601.2638	WASHER	NAS1149F0432P	
	4	4		4	4		4	4	30	601.3002	BOLT	NAS6604-66	
2		2	2		2	2		2	29	647.1811	SPACER		
4		4	4		4	4		4	28	647.2511	NUT		
4		4	4		4	4		4	27	647.2510	SLEEVE		
13		13	13		13	13		13	26	647.1812	SHIM		
4		4	4		4	4		4	25	647.1910	CLIP		
1		1	1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	1		1	21	647.1913	TEE		
1		1	1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	1		1	18	647.1915	SUPPORT ANGLE		
	2	2		2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	1		1	15	647.1816	SUPPORT, LH		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

BOM Table(Restructured)

UNDER REVIEW
URF17-782 MB

ORIGINAL DATE 07/06/07
DRAWN BY CHECKED
R. ROSANO D. BARBER
DRAWING APPROVAL
P. BRAVO DRUG/OP
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
3 PLACE DECIMALS ±.03
ANGLES ±.5°

DART AEROSPACE 3030 ENTERPRISE CT., SUITE A, VISTA, CA. 92081 (760)-724-5300

EC145 CABLE CUTTERS KIT

SEE CAGE CODE DWG. NO. 647.1300 REV D

SCALE NONE SHEET 2 OF 10

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES
2. APPLY F/N 74 TO FAYING SURFACES
- 3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1
- 4 INSTALL FOR 647.1301, 647.1302.
- 5 INSTALL FOR 647.1304, 647.1305.
- 6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.
- 7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11
- 8 INSTALL WITH:
647.1304
647.1305
647.1307
647.1308

REFERENCE ONLY

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION: P13		W/C
N/C	INITIAL RELEASE	06/05/09	P. BRAVO
A	INCORPORATED ECH 03943, 03030, 03048	01/25/11	P. BRAVO
B	INCORPORATED ECH 03919	07/05/13	P. BRAVO
C	INCORPORATED ECH 04059	08/13/13	P. BRAVO
D	INCORPORATED ECH 04485, 045921 & 04974	04/17/15	P. BRAVO

1		1	1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	1		1	12	647.1911	BRACKET, RH		
	8	8		8	8		8	8	11	647.0112	STRUT BRACKET		
							1	1	10	647.2110	LOWER RAIL		
							1	1	9	647.2111	UPPER RAIL		
	1	1		1	1		1	1	8	647.1610	WIPER DEFLECTOR, FWD		
	1	1		1	1		1	1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
						2	2	6	647.1701	SKID DEFLECTOR ASSY			
1		1	1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1		1	1		1	1	2	647.1402	CUTTER ASSY (LOWER)		
							1	1	1	647.1401	CUTTER ASSY (UPPER)		
X										647.1309	EC145 T2 FIXED PROVISIONS KIT		
	X									647.1308	EC145 T2 REMOVABLE PROVISIONS KIT		
		X								647.1307	EC145 T2 CABLE CUTTERS KIT		
			X							647.1306	FIXED PROVISIONS KIT U CHANNEL		
				X						647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		
					X					647.1304	EC145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE		
						X				647.1303	FIXED PROVISIONS KIT		
							X			647.1302	REMOVABLE PROVISIONS KIT		
								X		647.1301	EC145 CABLE CUTTERS KIT		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table(Restructured)

UNDER REVIEW
URF17-782 MB

QTY	ORIGINAL DATE 07/05/09	CHECKED D. HANER	DATE 07/05/09
NEXT ASSY (S)	DRAWN BY R. ROSANO	CHECKED P. BRAVO	DATE 07/05/09
	DESIGNING APPROVAL P. BRAVO	CONTRACT NO.	
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS .0001 3 PLACE DECIMALS .0001 ANGLES .5	PARTS LIST DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300 AFICAL INDUSTRIES, INC. dba DART AEROSPACE EC145 CABLE CUTTERS KIT SEE CAGE CODE 07M26 DMC NO. 647.1300 SCALE NONE SHEET 1 OF 10	